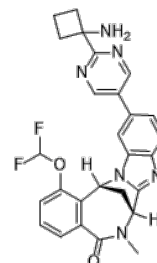


Product Name : Balinatunfib
Cat. No. : PC-24508
CAS No. : 2248726-53-4
Molecular Formula : C₂₇H₂₄F₂N₆O₂
Molecular Weight : 502.53
Target : TNF Receptor
Solubility : 10 mM in DMSO



Biological Activity

Balinatunfib (SAR441566) is a potent, oral inhibitor of tumor necrosis factor receptor 1 (TNFR1) signaling, binds to human TNF with SPR K_d of 15.1 nM.

SAR441566 potently inhibits zymosan-activated CD11b expression on granulocytes in human whole blood.

SAR441566 inhibited the expression of CD11b in zymosan-stimulated human whole blood with an IC₅₀ of 35 nM.

SAR441566 occupied human TNF with an OCC₅₀ for total compound (includes protein bound) of 14.3 nM.

Balinatunfib (SAR441566) stabilizes an asymmetrical form of the soluble TNF trimer, compromises downstream signaling and inhibits the functions of TNF in vitro and in vivo.

References

Vugler A, et al. Front Pharmacol. 2022 Nov 16;13:1037983.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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